

AGGREGATES/EARTH WORKS TESTING		
Item No.	Test	Method
1	AGGREGATES – Coarse & Fine	
1.01	Sieve analysis	BS EN 933-1/ASTM C136
1.02	Materials Finer than 75 microns.	ASTM C 117
1.03	Clay lumps and friable particles	ASTM C 142
1.04	Shape Index	BS EN 933-4
1.05	Flakiness Index	BS EN 933-3
1.06	Specific Gravity and water absorption	BS EN 1097-6/ ASTM C 127
1.07	Specific Gravity and absorption of fine aggregate	ASTM C 128
1.08	Los Angeles abrasion value	ASTM C 131
1.09	Soundness	ASTM C 88
1.10	Moisture content	BS : 812: Part:109
1.11	Bulk density	BS : 812: Part:2
1.12	Shell content	BS EN 933-7
1.13	Aggregate impact value	BS : 812: Part:112
1.14	Aggregate crushing value	BS : 812: Part: 110
1.15	Ten percent fines value	BS : 812: Part: 111
1.16	Drying shrinkage	BS EN 1367- 4
1.17	Sand Equivalent value	ASTM D 2419
2	SOILS	
2.01	Moisture content	BS : 1377: Part:2
2.02	Moisture content	ASTM D2216
2.03	Particle size distribution	BS :1377, Part 2, Test 9.2
2.04	Particle size distribution	ASTM D6913
2.05	Material Finer than No.200 (0.075mm) sieve	ASTM D 1140
2.06	Correction of Density and Water content of soils	ASTM D 4718
2.07	Liquid Limit, Plastic limit & PI	BS :1377, Part 2, Test 4.3
2.08	Liquid limit, Plastic limit, & PI	ASTM D 4318

Item No.	Test	Method
2.09	Dry Density / Moisture content relationship	BS :1377, Part 4, Test 3.5 & Test 3.6
2.10	Dry Density / Moisture content	ASTM D 1557
2.11	California bearing ratio (CBR)	BS :1377, Part 4, Test 7 & CML Test 10-97
2.12	California bearing ratio (CBR)	ASTM D 1883
2.13	Specific gravity	BS : 1377; Part:2
2.14	Sedimentation analysis	BS : 1377 Part : 2 Test 9.5
2.15	Linear shrinkage	BS : 1377: Part:2
2.16	Sand Equivalent Value	ASTM D 2419
2.17	In-situ Density Testing –Nuclear gauge	ASTM D 6938
2.18	In-situ Density Testing –Sand replacement	BS 1377 Part: 9
2.19	California Bearing Ratio Tests. Client shall provide reaction vehicle.	BS 1377 Part: 9
2.20	California Bearing Ratio Tests. Client shall provide reaction vehicle.	ASTM D 4429
2.21	Plate Bearing Tests. Client shall provide reaction vehicle.	BS 1377 Part: 9
2.22	Dynamic Cone penetration (DCPT)	ASTM D6951/D6951M
3	Armored Rocks	
3.01	Water Content, Porosity, Density, Degree of Saturation & Void Ratio	ISRM Part:1
3.02	Rock Swelling	ISRM Clause 3, Part: 2 (1999-2006)
3.03	Grading of Rock armor	CIRIA SP-83 Test 3.2.2.2
3.04	Drop Test- Breakage Index	CIRIA SP-83 Test A2.11.4
3.05	Density	CIRIA SP-83 Test A2.6
3.06	Water Absorption	CIRIA SP-83 Test A2.7
3.07	Soundness	ASTM C 88
3.08	Los Angeles abrasion value	ASTM C 131-03
3.09	Methylene Blue Absorption	BS EN 933-9